THE GENUS *SCLERIA* IN COLOMBIA

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Since the publication of my revision of the American species of the genus *Scleria* (*), continued field work and herbarium studies have brought to light numerous new distributional records for Colombia. In particular, the explorations of Dr. José Cuatrecasas, and of numerous botanists on the staff of the Foreign Economic Administration have resulted in the discovery of several species new to Colombia and at least one new to science.

The following abbreviations for herbaria are used:

(COL)	Herbario Nacional Colombiano, Instituto de Ciencias Naturales, Bogotá, Colombia.
(D)	Herbier Delessert, Geneva, Switzerland.
(F)	Chicago Natural History Museum, Chicago, Illinois.
(G)	Gray Herbarium of Harvard University, Cambridge, Massachusetts.
(K)	Royal Botanic Gardens, Kew, England.
(MO)	Missouri Botanical Garden, St. Louis, Missouri.
(NY)	New York Botanical Garden, New York, N. Y.
(S)	Riksmuseets Botaniska Avdelning, Stockholm, Sweden.
(US)	United States National Herbarium, Washington, D. C.
(WV)	Herbarium of West Virginia University, Morgantown, West Virginia.

(*) The American Species of *Scleria*. Brittonia 2: 105. pl. 1-3. 1936.

KEY TO THE SPECIES

- a. Hypogynium obscure or none
  - b. Inflorescence simple .... 1. *S. hirtella*
  - b. Inflorescense more or less branched
    - c. Achene smooth .... 2. *S. Purdiei*
    - c. Achene verrucose-tuberculate or reticulate
      - d. Inflorescence paniculate, branches several. 3. *S. micrococca*
      - d. Inflorescence interruptedly glomerate-spicate, branches few.......................... 4. *S. Killipiana*
- a. Hypogynium present
  - b. Pistillate spikelets lowest in each branch, sessile, one-flowered, the staminate on distinct long peduncles
    - c. Leaves 7-15 mm wide.......................... 9. *S. cyperina*
    - c. Leaves 18-45 mm wide.......................... 10. *S. grandis*
  - b. Without this combination of characters.
    - c. Hypogynium margin ciliate, fimbriate or serrate
      - d. Hypogynium ciliate on the margin
        - e. Achene very large, 3.5-6 mm long.... 5. *S. macrophylla*
        - e. Achene smaller, 1-3 mm long
          - f. Achene 1-2 mm long; leaves 7-11 mm wide.......................... 6. *S. microcarpa*
          - f. Achene 2-3 mm long; leaves 1-6 cm wide
            - g. Style-base black, usually persistent .... 7. *S. mitis*
            - g. Style-base brown, rather early deciduous .... 8. *S. Eggersiana*
      - d. Hypogynium margin fimbriate or serrate
        - e. Achene very small, 1 mm long........ 11. *S. neogranatensis*
        - e. Achene larger, 2-3 mm long.......... 12. *S. arundinacea*
    - c. Hypogynium 3-lobed, the lobes entire
      - d. Upper part of the panicle bearing only staminate spikelets, the lower part bearing only pistillate spikelets.................. 13. *S. bracteata*
      - d. Staminate and pistillate spikelets intermixed throughout the inflorescence
        - e. Achene verrucose, reticulate or papillate.
          - f. Leaves 8-24 mm wide............. 14. *S. parallela*
          - f. Leaves 1-7 mm wide
            - g. Culm very strongly muricate-scabrous on the angles....... 16. *S. tenacissima*
            - g. Culm slightly roughened or smooth on the angles

      - h. Annual, with fibrous roots 15. *S. Muhlenbergii*
      - h. Perennial by rootstocks... 17. *S. lagoensis*
- e. Achene smooth
  - f. Achene purple-violet or variegated with white
    - g. Angles of the sheath broadly winged .... 18. *S. vaginata*
    - g. Angles of the sheath narrowly winged or wingless
      - h. Achene distinctly conical, pointed .... 19. *S. Macbrideana*
      - h. Achene elliptic-globose.... 20. *S. melaleuca*
  - f. Achene white
    - g. Achene very large, 4-6 mm long
      - h. Ligule with a very conspicuous scarious appendage; plant climbing....... 23. *S. secans*
      - h. Ligule unappendaged
        - i. Bractlets capillary-filiform, conspicuously elongate, sometimes 10 cm long; leaves 1-3.2 cm wide.............. 22. *S. mexicana*
        - i. Bractlets much shorter; leaves 5-10 mm wide.. 18. *S. vaginata*
    - g. Achene smaller, 1.5-4 mm long
      - h. Ligule bearing a conspicuous scarious appendage
        - i. Pistillate scales broadly ovate, dark purple..... 23. *S. secans*
        - i. Pistillate scales lanceolate, stramineous to ferruginous
          - j. Sheath wingless.... 24. *S. stenophylla*
          - j. Sheath narrowly winged .... 25. *S. scabra*
      - h. Ligule unappendaged
        - i. Sheath broadly winged. 18. *S. vaginata*
        - i. Sheath wingless or nearly so............... 21. *S. pterota*

1. **Scleria hirtella** Sw. Prodr. Veg. Ind. Occ. 19: 1788.

Carex hirtella Gmel. Syst. Nat. 2: 138. 1791. Based on *Scleria hirtella* Sw.

Scleria interrupta Michx. Fl. Bor. Am. 2: 168. 1803; not Rich.

Act. Soc. Hist. Nat. Paris 1: 113. 1792. "Carolina ad Floridam."

Cenchrus hirsutus Spreng. Neue. Entdeck. 3: 15. 1822 (*fide* Kunth, Enum. Pl. 1: 166. 1833). Type locality, Hispaniola.

Hypoporum humile Nees, Linnaea 9: 303. 1834.

Hypoporum hirtellum Nees. Linnaea 9: 303. 1834 (*fide* Britton, Ann. N. Y. Acad. Sci. 3: 236. 1885).

Hypoporum interruptum Torr. Ann. Lyc. N. Y. 3: 382. 1836. Based on *Scleria interrupta* Michx.

Scleria cenchroides Kunth, Enum. Pl. 2: 352. 1837 (*fide* Boeck. Linnaea 38: 440. 1874). "Cap. b. spei; ad oram orientalem legit Drege."

Scleria hirta Willd.; Kunth, Enum. Pl. 2: 352, in syn. 1837. "Willd. herb. n. 17329 (forma fructu laevi)."

Scleria mollis Kunth, Enum. Pl. 2: 352. 1837. (*fide* Boeck. Linnaea 38: 440. 1874). "Brasilia meridionalis."

Scleria nutans Willd.; Kunth, Enum. Pl. 2: 351. 1837 (*fide* Britton, Ann. N. Y. Acad. Sci. 3: 235. 1885). "Guiana, Brasilia, Chili, Mexico."

Scleria interrupta Kunth, Enum. Pl. 2: 352, in part (as to syn. *S. hirta*). 1837.

Scleria pulchella Nees, in. Mart. Fl. Bras. 2 (1): 170, in syn. 1842.

Anerma hispidula Schrad. in sched., *fide* Nees, in Mart. Fl. Bras. 2 (1): 170. 1842.

Hypoporum nutans Nees, in Mart. Fl. Bras. 2 (1): 170. 1842. Based on *Scleria nutans* Kunth.

Scleria Michauxii Chapm. Fl. S .U. S. 532. 1860. Based on *Scleria interrupta* Michx.

Scleria hirtella var. *pauciciliata* Britton, Ann. N. Y. Acad. Sci. 3: 236. 1885.

Scleria humilis Britton, Ann. N. Y. Acad. Sci. 3: 235. 1885. Here adscribed to Nees (Linnaea 9: 303. 1834.), who did not make this combination.

One of the most widespread species of the genus, occurring in wet grassy lands, pine barrens, and savannas from the Southern United States to northern Argentina; also in Africa.

ANTIOQUIA: San Antonio de Pereira, *Daniel 2511* (COL); near Campamento, *Core 639* (WV).

CAUCA: west of Popayán, *Pennell and Killip 8229* (NY); Altos de Cañas Gordas, *Pittier 967* (US); near Popayán, *Core 246* (WV).

MAGDALENA: Santa Marta, *Smith 235* (COL, NY, US); *Purdie* (G); Pueblo Bello, *Angel 737* (US).

META: Susumuco, *Triana 964-1* (COL); Apiay, *Triana 964-2* (COL); Villavicencio, *Pennell 1457* (NY, US); 20 km. s. e. of Villavicencio, *Killip 34329* (COL, US, WV); Villavicencio, Sabanas en Apiay, *Cuatrecasas 4751* (COL); La Serranía, entre los ríos Ariari y Meta, sabana entre Angostura y Las Gualas, 250 m. alt. *Cuatrecasas 7791* (COL, US, WV).

NORTE DE SANTANDER: Abrego, *J. B. García y Cabrales 1* (COL).

TOLIMA: Icononzo, *Pennell 2789* (NY); Mariquita, *Pennell 3654* (NY); "El Convenio," w. of San Lorenzo (= Armero), *Pennell 3457* (G, NY, US).

VALLE: Pavas, *Pennell 5523* (NY, US); La Cumbre, *Pennell and Killip 5955* (G, NY, US).

2. **Scleria Purdiei** Clarke, Kew Bull. Add. Ser. 8: 57. 1908.

Scleria Hitchcockii Standl., Contr. U. S. Nat. Herb. 18: 88. 1916.

Type locality: "Colombia, Guanaguena, *Moritz, N. 643* (1258) (hb. Berol.) Santa Marta, *Purdie* (hb. Kew); *Moritz, nn. 1911, 1590* partim (hb. Mus. Brit.)."

Savannas and forests, Mexico to Colombia and Venezuela.

MAGDALENA: Santa Marta, *Smith 2198* (G. NY).

3. **Scleria micrococca** (Liebm.) Steud. Syn. Pl. Cyp. 179. 1855.

Hypoporum micrococcum Liebm. Vidensk. Selsk. Skr. V. 2: 256. 1850. "Samlet i torre Savaner ved Segovia i Nicaragua af Mag. Orsted i Januar."

Hypoporum purpurascens Liebm. Vidensk. Selsk. Skr. V. 2: 256. 1850; not Nees, Linnaea 9: 303. 1834. "Voxer i torre Savaner ved Mirador i Potrero de Consoquitla, blomstrende i October; ligeledes i Dep. Oajaca ved Talea i August" (*Orsted*).

Scleria Liebmanni Steud. Syn. Pl. Cyp. 179. 1855. Based on *Hypoporum purpurascens* Liebm.

Hypoporum verticillatum Nees, Bonplandia 3: 87. 1855; not Nees, Linnaea 9: 303. 1834.

Scleria luzulaeformis Wright; Sauv. Anal. Acad. Cienc. Habana 8: 156. 1871. "En sabana cerca de San Juan de Buena Vista, jurisdicción de Bayamo", (*Wright 3418:* p.p.)

Scleria costaricensis Boeck. Allg. Bot. Zeitschr. 2: 157. 1896. "Entre

Terraba et Boruca, Costa Rica" (*Tonduz 4634*).

Wet fields, Mexico to northern Brazil, also in Cuba.

CUNDINAMARCA: Santa Fe de Bogotá, *Purdie* (G, NY).

MAGDALENA: Santa Marta, *Smith 234* (COL, G, NY, US); Palma Sola, 30 km. s.e. of Chiriguaná, *Haught 2254* (COL, WV).

META: Pipiral to Susumuco, S. E. of Quetame, *Pennell 1718* (G, NY, US).

NORTE DE SANTANDER: Ocaña, *S. Cortés s. n.* (COL); Ocaña, *Ariste-Joseph A395* (US).

SANTANDER: Mesa de los Santos, *Killip and Smith 15194* (COL, NY, US).

TOLIMA: "El Convenio", w. of San Lorenzo (= Armero), *Pennell 3479* (NY).

4. **Scleria Killipiana** Britton; Core, Brittonia 1: 240, (Pl. 3, f. 22). 1934.

Type locality: dry open hills, Pavas, Valle del Cauca (*Killip 11667*); known only from the type locality.

5. **Scleria macrophylla** Presl, Rel. Haenk. 1: 200. 1828.

Scleria paludosa Poepp. & Kunth; Kunth, Enum. Pl. 2: 344. 1837. "Peruvia (prope Torache, ad. fl. Huallagam superiorem), in sylvis paludosis. Poeppig legit."

Ophryoscleria paludosa Nees, in Mart. Fl. Bras. 2 (1): 185. 1842. Based on *Scleria paludosa* Poepp. & Kunth.

Scleria palmifolia Hoffmgg.; Schlecht. Bot. Zeit. 3: 492. 1845. (*fide* Boeck. Linnaea 38: 522. 1874). "Salzm. hrbr. Bahia."

Scleria macrocarpa Salzm.; Schlecht. Bot. Zeit. 3: 492, as syn. 1845.

Ophryoscleria asperrima Liebm. Vidensk. Seisk. Skr. V. 2: 261. 1851. "Et Exemplar hjembragtes af Mag. Orsted, samlet ved Bredderne af Rio de S. Juan de Nicaragua i Juni."

Scleria asperrima Steud. Syn. Pl. Cyp. 170. 1855. Based on *Ophryoscleria asperrima* Liebm.

The type locality of *S. macrophylla* was recorded as "in insula Luzon" but Merrill pointed out (Enum. Philip. Fl. Pl. P: 136. 1923) that it does not resemble any known Philippine species and my examination of Presl's type showed that it is the same as the American plant that had passed as *S. paludosa*. Evidently Presl's geographic data had been mixed.

VALLE: E. of Buenaventura, *Killip & García 33234* (COL, US, WV).

6. **Scleria microcarpa** Nees. Linnaea 9: 302. 1834.

Scleria ovuligera Reichb.; Nees, Linnaea 9: 303. 1834. (*fide* Kunth, Enum. Pl. 2: 341. 1837).

Ophryoscleria microcarpa Nees, in Mart. Fl. Bras. 2 (1): 184. 1842. Based on *S. microcarpa* Nees.

Scleria foliosa Wright; Sauv. Anal. Acad. Cienc. Habana 8: 154. 1871; not A. Rich. Tent. Fl. Abyss. 2: 509. 1851. Type locality, Cuba (*Wright 3807*).

Scleria latifolia Balb.; Boeck. Linnaea 38: 517, as syn. 1874.

Scleria microcarpa var. *latifolia* Boeck. Linnaea 38: 517. 1874. Type locality, Guadeloupe.

Scleria microcarpa var. *foliosa* Clarke, Symb. Ant. 2: 149. 1900.

Common in swamps, roadsides and moist thickets, Cuba and Guatemala to Paraguay.

ANTIOQUIA: Between Zaragoza and "Clarito". *Core* 872 (WV).

BOLIVAR: Canabetal (*), *Pennell 3881* (NY, G. US).

BOYACA: Los Llanos, Río Casanare, Barranca de Atahuarpa, *Cuatrecasas 4281* (US).

CAQUETA: Entre Florencia y Venecia, 400 m. alt., *Cuatrecasas 8942* (COL, US, WV). Quebrada las Dalias, Río Orteguaza, Venecia, *Hermann 11232* (US).

CHOCO: Quibdó, Río Atrato, *Archer 1884* (US).

MAGDALENA: Santa Marta, *Smith 236* (COL, G, NY, US).

SANTANDER: Puerto Wilches, *Killip and Smith 14743* (NY, G, US).

VALLE: Puerto Caldas, *Killip & Hazen 11044* (NY, US).

var. **latifolia** Boeck.

SANTANDER: Puerto Wilches, *Hermann 10887* (US).

7. **Scleria mitis** Berg. Vet. Akad. Handl. Stockh. 26: 145. 1765.

Schoenus lithospermus L. Sp. Pl. ed. 2. 65, pro parte. 1762 (*fide*

(*) A misspelling for *Canaletal*.—EDITOR.

Clarke, Symb. Ant .2: 150. 1900).

Carex lithosperma L. Syst. Veg. ed. 13. 706. 1774 (*fide* Clarke, loc. cit. 150).

Carex mitis Gmel. Syst. Nat. 2: 138. 1791. Based on *S. mitis* Berg.

Scleria riparia Poepp. & Kunth; Kunth. Enum. Pl. 2: 341. 1837. "Peruvia (prope Tochache, misión del Huallaga alto, in fluviorum ripis paludosis) *Poeppig* legit."

Scleria latifolia Reichb.; Nees, in Mart. Fl. Bras 2 (1): 183, as syn, 1842. "Specimen majus ante anthesin decreptum."

Ophryoscleria lucida Nees, in Mart. Fl. Bras. 2 (1): 183. 1842. "In silvis prov. S. Pauli et Rio de Janeiro; in campis altis do Paranan et in silvis Minarum Novarum (*Martius*); in Gujana (*Weigelt*)."

Ophryoscleria mitis Nees, in Mart. Fl. Bras .2 (1): 183. 1842. Based on *Scleria mitis* Berg.

Ophryoscleria riparia Nees, in Mart. Fl. Bras. 2 (1): 184. 1842. Based on *Scleria riparia* Poepp. & Kunth.

Scleria praealta Salzm.; Schlecht. Bot. Zeit. 3: 461, as syn. 1845. "In paludosis Bahia."

Scleria lucida Steud. Syn. Pl. Cyp. 168. 1855. Based on *Ophryoscleria lucida* Nees.

Scleria trialata Bertero; Boeck. Linnaea 38: 521, as syn. 1874.

Scleria trinitatis Boeck. Cyp. Nov. 2: 31. 1890 (*fide* Clarke, Symb. Ant. 2: 150. 1900). "Insula Trinitatis."

Clearings and wet banks, Guatemala and Cuba to Paraguay and Bolivia.

CHOCO: Between La Oveja and Quibdó, *Archer 1722* (US).

VALLE: E. of Buenaventura, *Killip & García 33235* (COL, WV).

8. Scleria Eggersiana Boeck. Cyp. Nov. 2: 41. 1890.

Scleria Grisebachii Clarke, Symb. Ant. 2: 150. 1900. "Hab. in Jamaica: W. Wright; Porto Rico; *Eggers n. 432b, 671,* prope Adjuntas ad margines sylvae montis Cedro: *Sintenis n. 1443* partim, *4279;* Antigua; *Nicholson;* Guadeloupe; *Husnot n. 43;* Dominica: *Imray n. 352;* Martinique: *Duss n. 445.*"

Scleria microcarpa Griseb. Cat. Pl. Cub. 248, in part. 1866. "Cuba, *Wright 723b, 724a.*

Wet open places, West Indies and Guatemala to Colombia and Dutch Guiana.

"Colombia", *Triana 383* (US).

ANTIOQUIA: Along highway between Zaragoza and "Clarito", *Core 868* (WV).

9. **Scleria cyperina** Kunth. Enum. Pl. 2: 345. 1837.

Hymenolytrum cyperinum Nees, in Mart Fl. Bras. 2 (1): 175. 1842. Based on *Scleria cyperina* Kunth.

Savannas, Colombia to British Guiana and Brazil.

SANTANDER: Mesa de los Santos, *Killip & Smith 15224* (NY).

10. **Scleria grandis** Core, Jour. Wash. Acad. Sci. 35: 322. 1945.

Selvas of the Upper Amazon Valley in Colombia and Brazil.

CAQUETA: Cerro de la Sardina, 500 m. alt., Florencia, *Cuatrecasas 8890* (COL, US).

VAUPES: Selva del Tui-Igarapé, 200 m. alt., cerca de Mitú, *Cuatrecasas 6870* (US), **type;** (COL, isotype).

11. **Scleria neogranatensis** Clarke, Kew Bull. Add. Ser. 8: 62. 1908.

Wet thickets and boggy places, Colombia.

ANTIOQUIA: Santiago, Medellín, *Toro 589, 595* (US).

MAGDALENA: Santa Marta, *Smith 2199* (G, NY, US).

VALLE: La Paila, *Holton 108* (G, NY).

12. **Scleria arundinacea** Kunth, Enum. Pl. 2: 347. 1837.

Scleria latifolia Nees Flora 11: 303. 1828; Boeck. Linnaea 38: 530. 1874; not Sw.

Scleria sylvestris Poepp. & Kunth; Kunth, Enum. Pl. 2: 346. 1837. "Provincia Peruviana Huanuco (in sylvis ad Cuchero). Poeppig legit."

Scleria cyanocarpa Kunth, Enum. Pl. 2: 347. 1837. "Brasilia meridionalis. Sellow legit."

Schizolepis latifolia Nees, in Mart. Fl. Bras. 2 (1): 186. 1842. Based on *Scleria latifolia* Sw.

Schizolepis trigonocarpa Nees, in Mart. Fl. Bras. 2 (1): 186. *pl. 26.* 1842. "In sylvis prov. Maragnoniensis et Paraensis" (*Martius*).

Scleria silvestris Nees. in Mart. Fl. Bras. 2 (1): 188. 1842; variant spelling.

Schizolepis silvestris Nees, in Mart. Fl. Bras. 2 (1): 223-224 (index), 1842.

Scleria grandifolia Miq. Linnaea 19: 230. 1847. (*fide* Boeck. Linnaea 38: 532. 1874. "Crescit ad Osembo in Pará" *Focke*).

Scleria Kappleriana Hochst.: Steud. Syn. Pl. Cyp. 172, as syn. 1855.

Scleria trigonocarpa Steud. Syn. Pl. Cyp. 171. 1855. Based on *Schizolepis trigonocarpa* Nees.

Schizolepis arundinacea Palla, Denks, Acad. Wien. 79: 196. 1908. Based on *Scleria arundinacea* Kunth.

In forests and clearings, Central America and the Lesser Antilles south to Bolivia, Paraguay and Argentina.

ANTIOQUIA: Between Sonsón and Argelia, 3 mi. w. of Argelia, 1630 m., *Core 793* (WV).

NORTE DE SANTANDER: Región del Sarare, Hoya del río Cubugón, entre El Caraño y El Indio, *J. Cuatrecasas 13026* (COL).

13. **Scleria bracteata** Cav., Ic. 5: 34, pl. 457. 1799.

Scleria floribunda HBK. Nov. Gen. & Sp. 1: 233. 1816 (*fide* Kunth. Enum. Pl. 2: 345. 1837.) "Crescit locis temperatis, scopulosis regni Novogranatensis inter Pandi et Fusagasugá, alt, 450-900 hex."

Scleria papillata Willd.; Kunth. Enum. Pl. 2: 345, as syn. 1837. Type locality, Brazil.

Macrolomia bracteata Schrad.; Nees, in Mart. Fl. Bras. 2 (1); 182. t. 24. 1842. Based on *Scleria bracteata* Cav.

Scleria rigens Salzm.; Steud. Syn. Pl. Cyp. 171, as syn. 1855.

Scleria bracteata f. simplicior Kukenth. Repert. Sp. Nov. 26: 253. 1929. Type locality, Tipusani, Bolivia (*Buchtein 5107*).

Scleria macrolomioides H. Pfeiffer, in Fedde, Repert. 33: 214. 1933. Type locality, near "Mindos", Mexico. (herb. Liebm. ex herb. Univ. Christianiensis).

A very common scandent sedge in moist thickets and borders of forests, Mexico and the West Indies to Paraguay and Bolivia.

ANTIOQUIA: Cocorná, *Daniel 2211* (US); between Quebrada Negra and Río Nechí, 1400 m., *Core 646* (WV).

CAUCA: "Prov. del Cauca", 1000 m., *Triana 967-2* (COL); Aganche, *Pennell & Killip 8321, 6282* (G, NY, US); Río Cauca at Dinde, *Core 1082* (WV); Río Capitanes, near San Alfonso, 1450 m., *Core 1152, 1428* (WV).

CUNDINAMARCA: Quetame, *Killip 34219* (US).

MAGDALENA:: Santa Marta, *Smith 2179, 2542* (COL, G, NY, S, US).

META: La Serranía, entre los ríos Ariari y Meta, Las Gualas, *Cuatrecasas 7800* (COL).

TOLIMA: "El Convenio", w. of San Lorenzo (= Armero), *Pennell 3512* (G, NY, US); "La Trinidad", Líbano, *Pennell 3228* (G, NY, US).

VALLE: La Paila, *Holton 109* (G, NY); *Pennell & Killip 5979* (NY); Cerro de Las Cruces, near Cali, *Killip & Cuatrecasas 38404* (COL, US).

? "San Andrés de la Sierra," *Pittier 1649* (US).

14. **Scleria parallela** Clarke, Kew Bull. Add. Ser. 8: 59. 1908.

Forests, Venezuela and Colombia.

VAUPES: Cerro de Mitú, *Cuatrecasas 6884* (COL).

15. **Scleria Muhlenbergii** Steud., Nom. (ed. 2) 2: 543. 1841.

Scleria setacea of Am. authors not Poir. in Lam. Encyc. 7: 4. 1806.

Scleria reticularis Muhl. Descr. Gram 266. 1817; not Michx. Fl. Bor. Am. 2: 167. 1803. "Habitat in Carolina Septentrionali."

Scleria micrantha Poir. in Lam. Encyc. Suppl. 5: 108. 1817. "Cette plante a été recueillie par M. Ledru à Porto-Rico."

Scleria reticularis Spreng. Syst. 3: 831, in part. 1826 (*fide* Boeck. Linnaea 38: 469. 1874).

Scleria reticularis J. & C. Presl; Presl Re. Haenk. 1: 202. 1828.

Scleria laxa Torr. Ann. Lyc. N. Y. 3: 376. 1836; not R. Br. Prodr. 240. 1810.

Scleria oligantha A. Rich. in Sagra, Hist. Cuba: 295. 1850.

Scleria Muhlenbergiana Liebm. Vidensk. Selsk. Skr. V. 2: 258. 1850. Variant spelling for *Scleria Muhlenbergii* Steud.

Scleria Torreyana Walp. Ann. 3: 696. 1852. "Habitat in America Boreali (New Jersey, Long Island)."

Scleria hemitaphra Steud. Syn. Pl. Cyp. 169. 1855. Type locality, Louisiana (Drummond).

Scleria dictyocarpa Wright; Griseb. Cat. Pl. Cub. 249. 1866. "Cuba or. et occ." *Wright 3416a*.

Scleria bracteata var. *angusta* Griseb. Cat. Pl. Cub. 249, in part. 1866. Type locality, Cuba.

Scleria debilis Wright; Sauv. Anal. Acad. Cienc. Habana 8: 154. 1871. "En sabanas húmedas de Pinar del Río. Chirigota, Retiro, embarcadero de Bacunagua, &c."

Scleria reticularis var. *pubescens* Britton, Ann. N. Y. Acad. Sci. 232. 1885.

Scleria trichopoda Wright; Britton, Ann. N. Y. Acad. Sci. 3: 232, as syn. 1885.

Scleria setacea var. *hemitaphra* Kukenth. Repert. Sp. Nov. 23: 215. 1926. Based on *Scleria hemitaphra* Steud.

Scleria latilacunosa Kukenth. Bot. Jahrb. 56: Beibl. 125: 21. 1921. "Campo der Serra do Mel. Rio Branco, Surumu", *Ule 8065*, July, 1909.

A very common and widely distributed species, in pine barrens and low meadows, New York and Indiana to Florida and Texas; also in the West Indies, Central America and northern South America.

CAUCA: Along Rio Palo at El Palo, *Core 174* (WV).

16. **Scleria tenacissima** Steud. Syn. Pl. Cyp. 175. 1855.

Omoscleria tenacissima Nees in Mart. Fl. Bras. 2 (1): 181. 1842.

In woods, Colombia and Brazil to Bolivia.

META: Río Muco, Caracarate, w. of San Pedro de Arimena, *Hermann 10928* (COL, US).

17. **Scleria lagoensis** Boeck. Vidensk. Meddel. 1869: 151. 1870.

Scleria Moritziana Boeck. Linnaea 38: 460. 1874. "Caripe Venezuelae, Moritz hb. *n. 645b*."

Wet soil in campos and borders of forests, Colombia, Brazil and Bolivia.

MAGDALENA: Santa Marta, *Smith 237* (D, F, G, K, MO, NY, US).

18. **Scleria vaginata** Steud. Syn Pl. Cyp. 179. 1855.

Scleria Tonduzii Boeck.; Tonduz, Bull. Herb. Boiss. 3: 464 nomen. 1895; Allg. Bot. Zeitschr. 2: 160. 1896. Type locality, Costa Rica (*Tonduz 8181*).

In moist forests, Costa Rica to Brazil, Bolivia and Peru.

VALLE: La Cuarentena, Buenaventura Bay, *Killip & Cuatrecasas 38972* (COL, US, WV).

19. **Scleria Macbrideana** Gross, Field Mus. Publ. Bot. 11: 40. 1931.

Moist forests, Colombia to Peru.

ANTIOQUIA: Between Argelia and Alto del Tigre, 1600 m., *Core 808* (WV).

20. **Scleria melaleuca** Reichb.; Schlecht. & Cham. Linnaea 6: 29. 1831.

Scleria communis Liebm. Vidensk. Selsk. Skr. V. 2: 71, in part. 1850 (*fide* Clarke, Symb. Ant. 2: 146. 1900).

Scleria pratensis var. *melanocarpa* Boeck. Vidensk. Meddel. 1869; 153. 1870. "Ad Lagoa Santa cum forma typica".

Scleria pratensis var. *mucronata* Boeck. ms. (*fide* Clark, Symb. Ant. 2: 146. 1900).

Wet grassy plains and on banks along shaded streams, a very common species from Mexico and Cuba south to Brazil and Bolivia. Perhaps only a color variant of the next species.

ANTIOQUIA: Medellín, *Toro 395* (US); between Zaragoza and "Clarito", along highway, *Core 870* (WV); Cruces de Cáceres, *Core 852* (WV).

CAQUETA: Florencia, *E. Pérez-Arbeláez 674* (COL, US); Quebrada Las Dalias, Río Orteguaza, Venecia, *Hermann 11231* (COL, US).

CAUCA: Along Río San Juan at mouth of Quebrada Las Naranjas, below Argelia, 900 m., *Core 1407* (WV).

CHOCO: Corcovada region, upper Río San Juan, ridge along Yeracuí Valley, *Killip 35204* (COL, US, WV).

META: Villavicencio, *Pennell 1519* (G, NY, US).

NARIÑO: Gorgona Island, *Killip & García 33137* (COL, US, WV).

VALLE: Córdoba, Dagua Valley, *Pittier 562* (US); Colorada, north shore of Buenaventura Bay, *Killip & Cuatrecasas 38724* (COL, US); along Carretera al Mar, Río Dagua, 10-15 km. from Buenaventura, *Core 1520* (WV).

21. **Scleria pterota** Presl. Isis 21: 268. 1826.

Schoenus latifolius Vahl. Enum. 2: 226. 1806 (*fide* Kunth. Enum. Pl. 2: 338. 1837).

Scleria latifolia Sieber; Presl, Isis 21: 268. 1828 (*fide* Boeck. Linnaea 38: 482. 1874).

Scleria asperata Presl. Isis 21: 268. 1828.

Scleria margaritifera Presl. Isis 21: 268. 1828 (*fide* Boeck. Linnaea 38: 482. 1874).

Dichromena Vahlii Dietr. Sp. Pl. 2: 169. 1833 (*fide* Clarke, Symb. Ant. 2: 147. 1900).

Scleria affinis Presl; Steud. Nomencl. ed. 2. 2: 542. 1841.

Scleria communis Kunth. Enum. Pl. 2: 340, pro parva parte. 1837 (*fide* Clarke, Symb. Ant. 2: 146. 1900). "Brasilia, Bahia, Martinica, Jamaica, et Nova Hollandia (an patria a Sieb. recte notata?)."

Scleria Selloana Schrad.; Nees, in Mart. Fl. Bras. 2 (1): 179, as syn. 1842.

Scleria conspersa Sellow; Nees, in Mart. Fl. Bras. 2 (1); 179. 1842.

Scleria pratensis Lindl.; Nees, Nova Acad. Leop. Carol. 19: Suppl. 1: 121. 1843.

Scleria simplicior Steud. Syn. Pl. Cyp. 169. 1855. "Rengger legit in Paraguay".

Scleria Ottonis Boeck. Linnaea 38: 490. 1874. Type locality, Cuba (*Otto 299*).

Scleria flagellata Sw.; Boeck. Linnaea 38: 506, as syn. 1874.

Scleria Pittieri Boeck.; Tonduz, Bull. Herb. Boiss. 3: 7, nomen. 1895. Allg. Bot. Zeitschr. 2: 159. 1896. "In Costarica leg. H. Pittier."

Scleria boliviana Palla; Buchtein, Contrib. Fl. Boliv. 1: 90. name only. 1910.

In boggy meadows and wet clearings, common throughout the West Indies and continental tropical America.

ANTIOQUIA: Medellín, *Toro 322* (US), *1099* (NY); between Pecuaria and San Miguel, e. of Argelia, 200-300 m., *Core 836* (WV); between Pato and San Juan, 350 m., *Core 841* (WV); between "El Socorro" and "Mulato" e. of Argelia, 400-900 m. *Core 822* (WV).

BOYACA: Los Llanos, Río Meta, María, *Cutrecasas 3739* (US); "Curazao", Río Casanare, Esmeralda, *Cuatrecasas 3939* (US).

MAGDALENA: Santa Marta, *Smith 2195* (COL, G, NY, US).

META: Villavicencio, *Triana 967-4* (COL).

SAN ANDRES Y PROVIDENCIA: San Andrés Island, *Toro 40* (NY).

VALLE: "Valle del Cauca", 1000 m., *Triana 967-3* (COL); La Paila, *Holton 107* (G, NY).

22. **Scleria mexicana** (Liebm.) Boeck. Linnaea 38: 500. 1874.

Diploscyphus mexicanus Liebm. Vidensk. Selsk. Skr. V. 2: 262. 1850.

Scleria chimborazensis Clarke, Kew Bull. Add. Ser. 8: 60. 1908. "Mexico, Cordova, *F. Muller n. 2207;* Ecuador. Chimborazo, in pede montis, alt. 900 m., *Spruce;* Colombia, Santa Marta, *H. H. Smith nn. 2196, 2521.*

Thickets and borders of forests, Mexico to Colombia and Ecuador.

CAUCA: Río Capitanes near San Alfonso, 1420 m., *Core 1424-a* (WV).

MAGDALENA: Santa Marta, *Smith 2196* (NY), *2521* (G, NY, US).

VALLE: Calima, on Río Calima, *Killip 11196* (G, NY, US).

23. Scleria secans (L.) Urb. Symb. Ant. 2: 169. 1900.

Schoenus secans L. Syst. ed. 2: 865, excl. syn. Rumpf. 1759.

Carex lithosperma L. Syst. ed. 12. 618, in part. 1767 (*fide* Sw. Fl. Ind. Occ. 1: 88. 1797.

Schoenus lithospermus L. Sp. ed. 2. 1: 65, in part. 1762 (*fide* Sw. Fl. Ind. Occ. 1: 88. 1797.

Arundo farcta Aubl. Pl. Guian. 1: 52. 1775 (*fide* Poir. in Lam. Encyc. 7: 1. 1806).

Scleria reflexa HBK. Nov. Gen. & Sp. 1: 232. 1816. "Crescit locis planis humidis Novae Andalusiae prope Cumaná et Bordones".

Scleria caricifolia Schrad.; Nees, in Mart. Fl. Bras. 2 (1): 177 as syn. 1842.

Mastigoscleria reflexa Nees, in Mart. Fl. Bras. 2 (1): 177. 1842. Based on *Scleria reflexa* HBK.

Scleria Renggeriana Steud. Syn. Pl. Cyp. 173. 1855. Type locality, Paraguay.

Scleria Weigeltiana Schrad.; Boeck. Linnaea 38: 504, as syn. 1874.

A common scandent sedge in wet thickets and borders of forests, West Indies and Mexico to Bolivia.

ANTIOQUIA: Between Campamento and Anorí on ridge between Quebrada Negra and Río Nechí, 1300 m., *Core 642* (WV); between Alto del Tigre and El Socorro, e. of Argelia, *Core 814* (WV).

BOYACA: Los Llanos, Orocué, 150 m., *Haught 2636* (COL, WV).

NORTE DE SANTANDER: región del Sarare, Hoya del río Cubugón, vertiente de El Caraño; *Cuatrecasas 13312* (COL).

24. Scleria stenophylla Core, Brittonia 1: 242. 1934.

Edge of forests, Colombia; known only from the type locality.

META: Buenavista to Pipiral, s. e. of Quetame, *Pennell 1682* (G, K, MO, NY, US).

25. **Scleria scabra** Willd. Sp. Pl. 4: 315. 1805.

Scleria porphyrorhiza Wright; Sauv. Anal. Acad. Cienc. Habana 8: 155. 1871. "En los pinares de la Vuelta de Abajo, cerca del Pinar del Río", *Wright*.

Scleria lobulata Palla, Denks. Akad. Wien 79: 197. 1908. Type locality, Campinas, Brazil, *Campos Novaes 1324*.

Woods, Cuba to Colombia and Brazil.

VICHADA: bordering Río Vichada, about 18 km. n. e. of San José de Ocuné, *Hermann 11050* (COL, US).